

LISTING OF THE CLAIMS

The following is a complete listing of the claims with a status identifier in parentheses.

1. (Previously Presented) A PC arrangement for visualization, diagnosis and expert systems for at least one of regulating, monitoring and controlling units comprising:

a server PC, linked via a first network to the units; and

client PCs, forming a second network with the server PC and connected to the first network for at least one of data transmission and data exchange with the units via the server PC,

wherein software structure for the PC arrangement is broken down into autonomous software modules, which each realize at least one functionality,

wherein one of the software modules is an autonomous server software module, which realizes the at least one of data transmission and data exchange with the units, and is implemented on the server PC connected to the units via the first network,

wherein at least another of the software modules are implementable on at least one of a client PC and the server PC,

wherein the server software module is used to categorize a large number of data from controllers of the units differently,

wherein imaging of measured and status data from the controllers in the server software module is cyclically updatable,

wherein other data is transmittable at a request of one of the client PCs, and

wherein the units are high-voltage supply units for electrostatic filters.

2. (Previously Presented) The PC arrangement as claimed in claim 1, wherein the first network, which connects the server PC to the high-voltage supply units, is a Profibus network.

3. (Previously Presented) The PC arrangement as claimed in claim 1, wherein the first network, which connects the server PC to the high-voltage supply units, is an Ethernet network using TCP/IP.
4. (Previously Presented) The PC arrangement as claimed in claim 1, wherein the second network, which connects the server PC to the client PCs, is a standard network.
5. (Previously Presented) The PC arrangement as claimed in claim 1, wherein the server software module implemented on the server PC is at least one of a DCOM server and a WinSocket server.
6. (Previously Presented) The PC arrangement as claimed in claim 1, wherein one group of high-voltage supply units has an associated bus coupler.
7. (Cancelled)
8. (Previously Presented) The PC arrangement as claimed in claim 6, wherein a connection between the server PC, which implements the server software module and the controllers, is automatically startable when data from the controllers is requested at one or more client PCs.
9. (Previously Presented) The PC arrangement as claimed in claim 1, wherein an autonomous measured data software module archives the measured data.

10. (Previously Presented) The PC arrangement as claimed in claim 9, wherein the measured data software module is at least one of a databank and data system in which measured and status data are archived for a period of time.

11. (Previously Presented) The PC arrangement as claimed in claim 1, wherein an autonomous display software module displays data relating to the high-voltage supply units, sets at least one parameter of the high-voltage supply units and controls the high-voltage supply units.

12. (Previously Presented) The PC arrangement as claimed in claim 11, wherein, by use of the display software module, data stored in the measured data software module is accessible, measured and status data updated in the server software module is accessible and, by use of the server software module, further data available in the controllers is directly accessible.

13. (Previously Presented) The PC arrangement as claimed in claim 11, wherein the display software module is implementable on at least two client PCs and the server PC simultaneously.

14. (Previously Presented) The PC arrangement as claimed in claim 11, wherein the display software module is configured to provide different monitoring and intervention measures to persons having different levels of authority.

15. (Previously Presented) The PC arrangement as claimed in claim 1, wherein an autonomous control software module controls auxiliary drives of the high-voltage supply units.

16. (Previously Presented) The PC arrangement as claimed in claim 15, wherein the control software module is adapted to match components of the electrostatic filter, automatically, to different operating conditions of the electrostatic filter.

17. (Previously Presented) The PC arrangement as claimed in claim 1, wherein an autonomous optimization software module optimizes operation of the high-voltage supply units.

18. (Previously Presented) The PC arrangement as claimed in claim 17, wherein, use of the optimization software module, is adapted to optimize the operation of the electrostatic filter based on at least one of efficiency of the electrostatic filter and energy consumption of the electrostatic filter.

19. (Previously Presented) The PC arrangement as claimed in claim 1, wherein the server software module implemented in the server PC is accessible by use of a measured data software module, a display software module, an optimization software module and a control software module.

20. (Previously Presented) The PC arrangement as claimed in claim 1, wherein at least one of the data transmission and the data exchange, via the server software module, is both cyclic and event-controllable.

21. (Previously Presented) The PC arrangement as claimed in claim 1, wherein the second network, which connects the server PC to the client PCs, is an Ethernet network using TCP/IP protocol.

22. (Previously Presented) The PC arrangement as claimed in claim 2, wherein the second network, which connects the server PC to the client PCs, is an Ethernet network using TCP/IP protocol.

23. (Previously Presented) The PC arrangement as claimed in claim 3, wherein the second network, which connects the server PC to the client PCs, is an Ethernet network using TCP/IP protocol.

24. (Previously Presented) The PC arrangement as claimed in claim 1, wherein a connection between the server PC which implements the server software module and the controllers is automatically startable when data from the controllers is requested at one or more client PCs.

25. (Previously Presented) The PC arrangement as claimed in claim 12, wherein the display software module is implementable on at least two client PCs and the server PC simultaneously.

26. (Previously Presented) The PC arrangement as claimed in claim 12, wherein the display software module is configured to provide different monitoring and intervention measures to persons having different levels of authority.

27. (Previously Presented) The PC arrangement as claimed in claim 13, wherein the display software module is configured to allow different monitoring and intervention measures to persons having different levels of authority.

28. (Cancelled)

29. (Previously Presented) The PC arrangement as claimed in claim 1, wherein the other data includes oscilloscope data associated with at least one of the high-voltage supply units for electrostatic filters.

30. (Previously Presented) The PC arrangement as claimed in claim 1, wherein the other data further includes parameter data and characteristic data associated with the at least one of the high-voltage supply units for electrostatic filters.